

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR §1.98(b))

Attorney Docket No.

50038/020003

Serial No.

Not yet assigned

Applicant

Vincent P. Stanton Jr.

Filing Date

January 7, 2002

Group

Not yet assigned

Customer No.

21559

J1050 U.S. PTO
10/04/02
01/07/02

U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
AC	5,422,253	06-06-1995	Dahlberg et al.	435	91.53	
	5,698,400	12-16-1997	Cotton et al.			
	5,707,809	01-13-1998	Halverson	435	6	
	5,750,352	05-12-98	Vogelstein et al.	435	7.21	
	5,962,223	10-05-1999	Whiteley	435	6	
	6,007,994	12-28-1999	Ward et al.	435	6	
	6,180,776	01-30-2001	Kamb	536	24.1	
	6,183,958	02-06-2001	Stanton	435	6	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

	Abrams, E.S. et al., "Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp," Genomics 7: 463-475, 1990.
	Abrams and Stanton Jr., "Use of Denaturing Gradient Gel Electrophoresis to Study Conformational Transitions in Nucleic Acids," Methods in Enzymology 212: 71-104, 1992.
	Casas and Kirkpatrick, "Evaluation of Different Amplification Protocols for Use in Primer-Extension Preamplification," BioTechniques 20: 219-225, 1996.
	Cotton et al., "Reactivity of Cytosine and Thymine in Single-Base-Pair Mismatches with Hydroxylamine and Osmium Tetroxide and Its Application to the Study of Mutations," Proc. Natl. Acad. Sci. USA 85: 4397-4401, 1988.
	Cotton, R.G.H., "Current Methods of Mutation Detection," Mutation Research 285: 125-144, 1993.
	Cotton and Campbell, "Chemical Reactivity of Matched Cytosine and Thymine Bases Near Mismatched and Unmatched Bases in a Heteroduplex Between DNA Strands with Multiple Differences," Nucleic Acids Research 17: 4223-4233, 1989.
	Cui et al., "Gene-centromere Linkage Mapping by PCR Analysis of Individual Oocytes," Genomics 13: 713-717, 1992.
✓	Debbie, P. et al., "Allele Identification Using Immobilized Mismatch Binding Protein: Detection and Identification of Antibiotic-Resistant Bacteria and Determination of Sheep Susceptibility to Scrapie," Nucleic Acids Research 25: 4825-4829, 1997.
AC	Fischer and Lerman, "DNA Fragments Differing by Single Base-Pair Substitutions are Separated in Denaturing Gradient Gels: Correspondence with Melting Theory," Proc. Natl. Acad. Sci. USA 80: 1579-1583, 1983.

EXAMINER

Anu K. Chakrabarti

DATE CONSIDERED

3/28/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR §1.98(b))		Attorney Docket No. 50038/020003 Serial No. Not yet assigned Applicant Vincent P. Stanton Jr. Filing Date January 7, 2002 Group Not yet assigned Customer No. 21559
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)		
AC	Fischer and Lerman, "Two-Dimensional Electrophoretic Separation of Restriction Enzyme Fragments of DNA," <i>Methods in Enzymology</i> 68: 183-191, 1979.	
	Ganguly et al., "Conformation-Sensitive Gel Electrophoresis for Rapid Detection of Single-Base Differences in Double-Stranded PCR Products and DNA Fragments: Evidence for Solvent-Induced Bends in DNA Heteroduplexes," <i>Proc. Natl. Acad. Sci. USA</i> 90: 10325-10329, 1993.	
	Goldrick et al., "NIRCA™: A Rapid Robust Method for Screening for Unknown Point Mutations," <i>BioTechniques</i> 21: 106-112, 1996.	
	Li et al., "Direct Electrophoretic Detection of the Allelic State of Single DNA Molecules in Human Sperm by Using the Polymerase Chain Reaction," <i>Proc. Natl. Acad. Sci. USA</i> 87: 4580-4584, 1990.	
	Litt et al., "Rapid RFLP Screening Using DNA From Complete Hydatidiform Moles," <i>Nucleic Acids Res.</i> 17(1):464 (1989).	
	Mashai et al., "Detection of Mutations by Cleavage of DNA Heteroduplexes with Bacteriophage Resolvases," <i>Nature Genetics</i> 9: 177-183, 1995.	
	Michalatos-Beloin et al., "Molecular Haplotyping of Genetic Markers 10 kb Apart by Allele-Specific Long-Range PCR," <i>Nucleic Acids Research</i> 24: 4841-4843, 1996.	
	Myers et al., "Mutation Detection by PCR, GC-Clamps, and Denaturing Gradient Gel Electrophoresis," pp. 71-88 in Erlich, H.A. (ed.), <i>PCR Technology: Principles and Applications for DNA Amplification</i> , Stockton Press, New York, 1989.	
	Myers et al., "Detecting Changes In DNA: Ribonuclease Cleavage and Denaturing Gradient Gel Electrophoresis," pp. 95-139 in Davies, K.E. (ed.), <i>Genomic Analysis: A Practical Approach</i> , IRL Press Ltd., Oxford, 1988.	
AC	Myers et al., "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes," <i>Science</i> 230: 1242-1246, 1985.	
EXAMINER	Annu kr. Chakrabarti DATE CONSIDERED 3/28/02	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.		

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR §1.98(b))		Attorney Docket No. 50038/020003 Serial No. Not yet assigned Applicant Vincent P. Stanton Jr. Filing Date January 7, 2002 Group Not yet assigned Customer No. 21559
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)		
Ac	Myers et al., "Nearly All Single Base Substitutions in DNA Fragments Joined to a GC-clamp Can Be Detected By Denaturing Gradient Gel Electrophoresis," Nucleic Acids Research 13: 3131-3145, 1985.	
	Novack et al., "Detection of Single Base-Pair Mismatches in DNA by Chemical Modification Followed by Electrophoresis in 15% Polyacrylamide Gel," Proc. Natl. Acad. Sci. USA 83: 586-590, 1986.	
	Orita et al., "Rapid and Sensitive Detection of Point Mutations and DNA Polymorphisms Using the Polymerase Chain Reaction," Genomics 5: 874-879, 1989.	
	Roberts et al., "Potassium Permanganate and Tetraethylammonium Chloride are a Safe and Effective Substitute for Osmium Tetroxide in Solid-Phase Fluorescent Chemical Cleavage of Mismatch," Nucleic Acids Research 25: 3377-3378, 1997.	
	Smooker et al., "Identification and In Vitro Expression of Mutations Causing Dihydropteridine Reductase Deficiency," Biochemistry 32: 6443-6449, 1993.	
	Smooker and Cotton, "The Use of Chemical Reagents in the Detection of DNA Mutations," Mutation Research 288: 65-77, 1993.	
	Snabes et al., "Preimplantation Single-Cell Analysis of Multiple Genetic Loci by Whole-Genome Amplification," Proc. Natl. Acad. Sci. USA 91: 6181-6185, 1994.	
	Taillon-Miller et al., "The Homozygous Complete Hydatidiform Mole: A Unique Resource For Genome Studies," Genomics 46(2):307-310 (1997).	
	Wagner, R. et al., "Mutation Detection Using Immobilized Mismatch Binding Protein (MutS)," Nucleic Acids Research 23: 3944-3948, 1995.	
	White et al., "Detecting Single Base Substitutions as Heteroduplex Polymorphisms," Genomics 12: 301-306, 1992.	
	Williams et al., "Three New Point Mutations in Type II Procollagen (COL2A1) and Identification of a Fourth Family With the COL2A1 Arg519→Cys Base Substitution Using Conformation Sensitive Gel Electrophoresis," Hum. Mol. Gen. 4: 309-312, 1995.	
	Youil et al., "Detection of 81 of 81 Known Mouse β -Globin Promoter Mutations with T4 Endonuclease VII-The EMC Method," Genomics 32: 431-435, 1996.	
✓	Youil et al., "Screening for Mutations by Enzyme Mismatch Cleavage with T4 Endonuclease VII," Proc. Natl. Acad. Sci. USA 92: 87-91, 1995.	
Ac	Zhang et al., "Whole Genome Amplification From a Single Cell: Implications for Genetic Analysis," Proc. Natl. Acad. Sci. USA 89: 5847-5851, 1992.	
EXAMINER	Ann K. Chakrabarti DATE CONSIDERED 3/28/02	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.		